Specification:

[0039] The function selector 310 facilitates selection of a target function 160 that is to be invoked within a target application such as the target application 150 depicted in Figures 1 and 2. The function selector 310 may also facilitate the user associating the target function with one or more initialization routines 220. In one embodiment, selection of a target function generates an execution request 312 that is sent to the task dispatcher 320. In response to the execution request 312, the task dispatcher 320 dispatches the one or more initialization routines 220 previous to dispatching a the selected target function 160. In one embodiment, the debug interface 230 includes one or more entry fields that specify the dispatch timing of the initialization routines 220 and the selected target function 160. The ability to specify the dispatch timing facilitates replication of timing dependent software errors.